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<b>LIST OF REFERENCES CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>			ATTY. DOCKET NO.	APPLICATION NO.
			8932-148	1111 10 2001
			APPLICANT	
			G. SCHMIDMAIER et al.	
FILING DATE	GROUP			
March 9, 2001	1646			

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q/S	AA	6,086,908	7/2000	Göpferich	424	424	
	AB	5,916,585	6/1999	Cook et al.	424	426	
	AC	5,707,877	1/1998	Siiman et al.	436	518	
	AD	5,686,116	11/1997	Bockman et al.	424	650	
	AE	5,656,598	8/1997	Dunstan et al.	514	12	
	AF	5,645,592	7/1997	Nicolais et al.	623	16	
	AG	5,635,571	6/1997	Frechet et al.	525	410	
	AH	5,614,496	3/1997	Dunstan et al.	514	12	
	AI	5,603,715	2/1997	Kessler	606	63	
	AJ	5,556,645	9/1996	Bockman et al.	424	650	
	AK	5,502,074	3/1996	Cullinan et al.	514	443	
	AL	5,466,609	11/1995	Siiman et al.	436	518	
Q/S	AM	4,983,581	1/1991	Antoniades et al.	514	12	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION *Abstract Only
							YES NO
Q/S	AN	WO 98/19699	5/1998	PCT WO			
	AO	WO 98/16268	4/1998	PCT WO			
	AP	WO 98/03695	1/1998	PCT WO			
	AQ	EP 0 816 413 A2	1/1998	Europe			
	AR	WO 97/38741	10/1997	PCT WO			*X
	AS	WO 97/34953	9/1997	PCT WO			
	AT	WO 97/32594	9/1997	PCT WO			
	AU	WO 97/24369	7/1997	PCT WO			
	AV	WO 96/38167	12/1996	PCT WO			
	AW	WO 96/28196	9/1996	PCT WO			
	AX	EP 0 719 562 A1	7/1996	Europe			*X
	AY	WO 96/18591	6/1996	PCT WO			
	AZ	WO 96/05825	2/1996	PCT WO			
	BA	WO 96/00592	1/1996	PCT WO			
	BB	DE 195 11 243 A1	1/1996	Germany			*X
	BC	WO 95/24211	9/1995	PCT WO			
Q/S	BD	0 636 377 A1	2/1995	Europe			

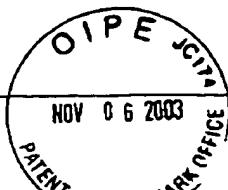
✓	BE	WO 94/08635	4/1994	PCT	WO			
	BF	WO 94/03159	2/1994	PCT	WO			
	BG	DE 41 30 546 A1	3/1993	Germany			•X	
	BH	DE 41 30 545 A1	3/1993	Germany			•X	
	BI	WO 91/11148	8/1991	PCT	WO			
	BJ	DE 39 33 217 A1	4/1991	Germany			•X	
✓	BK	WO 90/13302	11/1990	PCT	WO			
✓	BL	0 366 018	5/1990	Europe			•X	
✓	BM	WO 88/10123	12/1988	PCT	WO		•X	
✓	BN	0 198 213 A2	10/1986	Europe				

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	BO	H. Bail et al., "Histomorphometrical Evidence for the Bone Anabolic Effect of Species Specific Growth Hormone in Distraction Osteogenesis (DO)," <i>Intl. Soc. Fracture Repair</i> , 3/1998.
		H. Bail et al., "Rekombinantes Wachstumshormon beschleunigt die Kallusreifung bei der Distraktionsosteogenese", 1998. (English translation of Abstract only)
	BP	R. Herrmann et al., "Comparison of the Thrombogenicity of Steel and Gold-Surface Coronary Stents with a Biodegradable, Drug Releasing Coating in a Human Stasis Model," <i>Circulation</i> <b>96</b> :4048, 1997.
	BQ	R. Herrmann et al., "Comparison of the Thrombogenicity of Steel and Gold-Surface Coronary Stents with a Biodegradable, Drug Releasing Coating in a Human Stasis Model," <i>European Heart Journal</i> <b>18</b> (152):988, 1997.
	BR	G. Schmidmaier et al., "Non-Linear Time Release Characteristics of a Biodegradable Polyactic Acid Stent Coating Releasing PEG-Hirudin and a PG12 Analog," <i>European Heart Journal</i> <b>18</b> (571):3316, 1997.
	BS	G. Schmidmaier et al., "Neue Polylactid-Beschichtung für Koronarstents, die PEG-Hirudin und ein Prostacyclinanalog freisetzt, um die Aktivierung von Thrombozyten und der plasmatischen Gerinnung zu hemmen," <i>Z Kardiol</i> : <b>86</b> (51):304, 1997. (In German, no translation available)
	BT	G. Schmidmaier et al., "Time Release Characteristics of a Biodegradable Stent Coating with Polylactic Acid Releasing PEG-Hirudin and PG12-Analog," <i>J Am Coll Cardiol</i> <b>29</b> (94A):927-3, 1997.
	BU	G. Schmidmaier et al., "A New Biodegradable Polylactic Acid Coronary Stent-Coating, Releasing PEG-Hirudin and a Prostacycline Analog, Reduces Both Platelet Activation and Plasmatic Coagulation," <i>J Am Coll Cardiol</i> <b>29</b> (354A):771-5, 1997.
	BV	H. Bail et al., "Species Specific Growth Hormone Accelerates Bone Regenerate Healing in Distraction Osteogenesis," <i>Proceedings from 2<sup>nd</sup> Consensus Meeting, European Tissue Repair Society</i> , 1997.
	BW	H. Bail et al., "Recombinant Growth Hormone Increases Hard Callus Formation in Distraction Osteogenesis," 1997.
	BX	L. Beck et al., "TGF- $\beta$ , Induces Bone Closure of Skull Defects: Temporal Dynamics of Bone Formation in Defects Exposed to rhTGF- $\beta$ ," <i>Journal of Bone and Mineral Research</i> <b>8</b> (6):753:761, 1993.
✓	BY	S. Thaller et al., "The Effect of Insulin Growth Factor-1 on Calvarial Sutures in a Sprague-Dawley Rat," <i>The Journal of Craniofacial Surgery</i> <b>4</b> (1):35-39, January, 1993.

<i>QF</i>	BZ	J. Pfeilschifter et al., "Stimulation of Bone Matrix Apposition in Vitro by Local Growth Factors: A Comparison Between Insulin-like Growth Factor I, Platelet-Derived Growth Factor, and Transforming Growth Factor $\beta$ ," <i>Endocrinology</i> 127(1):69-75, 1990.
EXAMINER	<i>Amber J. Reeder</i>	
	DATE CONSIDERED	6/11/05
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		





**LIST OF REFERENCES CITED BY APPLICANT**  
(Use several sheets if necessary)

ATTY DOCKET NO.	APPLICATION NO
8932-148	09/801,752
APPLICANT	
G. SCHMIDMAIER et al.	

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**U.S. PATENT DOCUMENTS**

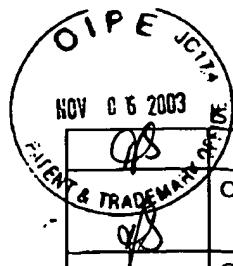
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q/S	A01 5,906,600	5/25/1999	Bähr	604	265	
	A02 5,770,255	6/23/1998	Burrell et al.	427	2.1	
	A03 5,759,564	6/2/1998	Milder et al.	424	426	
	A04 5,108,399	4/28/1992	Eitenmuller et al.	606	77	
Q/S	A05 4,476,590	10/16/1984	Scales et al.	3	1.91	

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION * Abstract Only	YES	NO
Q/S	B01 EP 0 792 654 A2	9/3/1997	Europe	-	-		*X	
Q/S	B02 WO 89/04674	6/1/1989	PT WO	-	-			

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

Q/S	C01	F. Kandziora et al., "Experimentelle Spondylodese der Schafshalswirbelsäule," <u>Der Chirurg</u> , 2002, 73:1025-1038.
	C02	M. Lucke et al., "Gentamicin coating of metallic implants reduces implant-related osteomyelitis in rats," <u>Bone</u> , 32 (2003), pp 521-531.
	C03	H. Bail et al., "Systemic application of growth hormone enhances the early healing phase of osteochondral defects-a preliminary study in micropigs," <u>Bone</u> , 32 (2003), pp 457-467.
	C04	G. Schmidmaier et al., "Bone Morphogenetic Protein-2 Coating of Titanium Implants Increases Biomechanical Strength and Accelerates Bone Remodeling in Fracture Treatment: A Biomechanical and Histological Study in Rats," <u>Bone</u> , Vol. 30, No. 6, June 2002:816-822.
	C05	B. Wildemann et al., "Cell Proliferation and Differentiation During Fracture Healing Are Influenced by Locally Applied IGF-1 and TGF- $\beta$ 1: Comparison of Two Proliferation Markers, PCNA and BrdU," 2003 <u>Wiley Periodicals, Inc.</u> , pp 150-156.
	C06	T. Pufe et al., "Quantitative measurement of the splice variants 120 and 164 of the angiogenic peptide vascular endothelial growth factor in the time flow of fracture healing: a study in the rat," <u>Cell Tissue Res.</u> , (2002) 309:387-392.
	C07	F. Kandziora et al., "IGF-1 and TGF- $\beta$ 1 Application by a Poly-(D,L-Lactide)-Coated Cage Promotes Intervertebral Bone Matrix Formation in the Sheep Cervical Spine," <u>SPINE</u> , Volume 27, Numer 16, pp 1710-1723, 2002.
	C08	F. Kandziora et al., "Bone morphogenetic protein-2 application by a poly(D,L-lactide)-coated interbody cage: in vivo results of a new carrier for growth factors," <u>J Neurosurg (Spine 1)</u> , 97:40-48, 2002.
	C09	G. Schmidmaier et al., "Improvement of Fracture Healing by Systemic Administration of Growth Hormone and Local Application of Insulin-like Growth Factor-1 and Transforming Growth Factor- $\beta$ 1," <u>Bone</u> , Vol. 31, No. 1, July 2002:165-172.
Q/S	C10	F. Kandziora et al., "Bone morphogenetic protein-2 application by a poly(D,L-lactide)-coated interbody cage: in vivo



PATENT & TRADEMARK OFFICE	QS	results of a new carrier for growth factors," <u>J Neurosurg (Spine 1)</u> 97:40-48, 2002.
		C11 G. Schmidmaier et al., "IGF-1 and TGF-Beta 1 Incorporated in a Poly(D,L-Lactide) Implant Coating Stimulates Osteoblast Differentiation and Collagen-1 Production but Reduces Osteoblast Proliferation in Cell Culture," 2003 Wiley Periodicals, Inc., pp 157-162.
	C12	M. Raschke et al., "Insulin-like Growth Factor-1 and Transforming Growth Factor- $\beta$ 1 Accelerates Osteotomy Healing Using Polyactide-coated Implants as a Delivery System: A Biomechanical and Histological Study in Minipigs," <u>Bone</u> , Vol. 30, No. 1, January 2002:144-151.
	C13	M. Raschke et al., "Homologous Growth Hormone Accelerates Healing of Segmental Bone Defects," <u>Bone</u> , Vol. 29, No. 4, October 2001:368-373.
	C14	G. Schmidmaier et al., "A New Electrochemically Graded Hydroxyapatite Coating for Osteosynthetic Implants Promotes Implant Osteointegration in a Rat Model," 2002 John Wiley & Sons, Inc., pp 168-172.
	C15	F. Kandziora et al., "Comparison of BMP-2 and combined IGF-1/TGF- $\beta$ 1 application in a sheep cervical spine fusion model," <u>Eur Spine J.</u> (2002), 11:482-493.
	C16	G. Schmidmaier et al., "Local Application of Growth Factors (Insulin-Like Growth Factor-1 and Transforming Growth Factor- $\beta$ 1) From a Biodegradable Poly(D,L-lactide) Coating of Osteosynthetic Implants Accelerates Fracture Healing in Rats," <u>Bone</u> , Vol. 28, No. 4, April 2001:341-350.
QS	C17	G. Schmidmaier et al., "Biodegradable Poly(D,L-Lactide) Coating of Implants for Continuous Release of Growth Factors," 2001 John Wiley & Sons, Inc., pp 449-455.

EXAMINER <i>Amber Y. Reink</i>	DATE CONSIDERED <i>6/11/05</i>
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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